Notice of Allowability	Application No.	Applicant(s)	
	10/701,095	SCHMIDT ET AL.	
	Examiner	Art Unit	
	Kamran Afshar, 571-272-7796	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *9/1/2006*.

2. ☒ The allowed claim(s) is/are *1-6,8-12 and 15-22*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mrs. Lalita W. Pace, Reg. No.: 39,427 on 9/1/2006.

The application has been amended as follows:

In The Claim(s):

1. (currently amended): A method of radio environment reporting in a remote unit that does not have dedicated traffic channel resources assigned, the method comprising:

receiving a first message to perform radio environment reporting on a reverse common signaling channel;

initializing a pilot list;

storing the pilot list;

determining whether the remote unit must send radio environment information which comprises determining whether the remote unit performed an idle handoff to a pilot that is not in the pilot list;

~~when the remote unit must send radio environment information,~~

when the remote unit performed an idle handoff to a pilot that is not in the pilot list, the remote unit

updating the pilot list; and

transmitting the radio environment information to an infrastructure equipment.

2. (original): The method of claim 1 wherein receiving a first message comprises receiving a parameter that controls a duration of radio environment reporting.

3. (original): The method of claim 2 wherein receiving a parameter comprises receiving a timer value that sets a limit on the amount of time the remote unit is in a mode of providing radio environment information to the infrastructure equipment.

4. (original): The method of claim 2 wherein receiving a parameter comprises receiving a limit on a number of second messages that the remote unit transmits to the infrastructure equipment.

5. (original): The method of claim 1 wherein initializing a pilot list comprises initializing a pilot list to a last Active Set on a Traffic Channel just before a dedicated RF connection between the remote unit and the infrastructure equipment is released.

6. (original): The method of claim 1 wherein initializing a pilot list comprises initializing a pilot list to a current Active Set, wherein the current Active Set is an Active Set on a Traffic Channel at a moment the remote unit receives the first message.

7. (cancelled)

8. (original): The method of claim 3 wherein after receiving the first message, the method starts a timer and wherein, when the timer expires, the method discontinues radio environment reporting.

9. (original): The method of claim 4 wherein after receiving the first message, the method initializes a second message counter to zero, increments the value of the second message counter when a second message is sent or received, and wherein, when a value of the second message counter is equal to the limit on second messages, the method discontinues radio environment reporting.

10. (original): The method of claim 1 wherein when the remote unit does not need to send radio environment information, the method comprises determining whether an event has occurred to place the remote unit on a traffic channel; and when an event has occurred, discontinuing radio environment reporting.

11. (currently amended) A method of radio environment reporting in an infrastructure equipment comprising:

transmitting a first message to a remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting;

initializing a pilot list;

determining whether a second message has been received; and

when a second message has been received, storing radio environment information contained in the second message;

wherein the parameter comprises a timer value that sets a limit on the amount of time the remote unit is in a mode of providing radio environment information to the infrastructure equipment.

12. (original): The method of claim 11 further comprising:

determining a location of the remote unit using the stored radio environment information; and

sending a traffic channel assignment to the remote unit.

13. - 14 (cancelled):

15. (currently amended) A method of radio environment reporting in an infrastructure equipment comprising:

transmitting a first message to a remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting;

initializing a pilot list;

determining whether a second message has been received; and

when a second message has been received, storing radio environment information contained in the second message; and

wherein ~~transmitting a~~ the parameter comprises ~~transmitting~~ a limit on a number of second messages that the remote unit transmits to the infrastructure equipment.

16. (original): The method of claim 11 wherein initializing a pilot list comprises initializing a pilot list to a last Active Set on a Traffic Channel just before a dedicated RF connection between the remote unit and the infrastructure equipment is released.

17. (original): The method of claim 11 wherein initializing a pilot list comprises initializing a pilot list to a current Active Set, wherein the current Active Set is an Active Set on a Traffic Channel at a moment the remote unit receives the first message.

18. (currently amended): A storage medium having stored thereon a set of instructions which, when loaded into a processor of a remote unit, causes the unit to:

receive a first message to perform radio environment reporting on a reverse common signaling channel;

initialize a pilot list;

store the pilot list;

determine whether the remote unit must send radio environment information by determining whether the remote unit performed an idle handoff to a pilot that is not in the pilot list;

~~when the remote unit must send radio environment information,~~

when the remote unit performed an idle handoff to a pilot that is not in the pilot list,

update the pilot list; and

transmit the radio environment information to an infrastructure equipment.

19. (currently amended): A storage medium having stored thereon a set of instructions which, when loaded into a processor of an infrastructure equipment, causes the equipment to:

transmit a first message to a remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting;

initialize a pilot list;

determine whether a second message has been received; and

when a second message has been received, store radio environment information contained in the second message;

wherein the parameter comprises a timer value that sets a limit on the amount of time the remote unit is in a mode of providing radio environment information to the infrastructure equipment.

20. (new): The method of claim 15 wherein initializing a pilot list comprises initializing a pilot list to a last Active Set on a Traffic Channel just before a dedicated RF connection between the remote unit and the infrastructure equipment is released.

21. (new): The method of claim 15 wherein initializing a pilot list comprises initializing a pilot list to a current Active Set, wherein the current Active Set is an Active Set on a Traffic Channel at a moment the remote unit receives the first message.

22. (new): A storage medium having stored thereon a set of instructions which, when loaded into a processor of an infrastructure equipment, causes the equipment to:

transmit a first message to a wireless remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting;

initialize a pilot list;

determine whether a second message has been received; and

when a second message has been received, store radio environment information contained in the second message;

wherein the parameter comprises a limit on a number of second messages that the remote unit transmits to the infrastructure equipment.

Allowable Subject Matter

2. In view of the amended claims as discussed above in item 1, Claims 1-6,8-12 and 15-22 are allowed.

The following is an examiner's statement of reasons for allowance: 1-6,8-12 and 15-22.

With respect to claim 1, the prior art of record fails to disclose singly or in combination or render obvious that the method comprising: receiving a first message to perform radio environment reporting on a reverse common signaling channel; initializing a pilot list; storing the pilot list; determining whether the remote unit must send radio environment information which comprises determining whether the remote unit performed an idle handoff to a pilot that is not in the pilot list; when the remote unit performed an idle handoff to a pilot that is not in the pilot list, the remote unit updating the pilot list; and transmitting the radio environment information to an infrastructure equipment.

With respect to claim 11, the prior art of record fails to disclose singly or in combination or render obvious that the method comprising: transmitting a first message to a remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting; initializing a pilot list; determining whether a second message has been received; and when a second message has been received, storing radio environment information contained in the second message; wherein the parameter comprises a timer value that sets a limit on the amount of time the remote unit is in a mode of providing radio environment information to the infrastructure equipment.

With respect to claim 15, the prior art of record fails to disclose singly or in combination or render obvious that the method comprising: transmitting a first message to a remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting; initializing a pilot list; determining whether a second message has been received; and when a second message has been received, storing radio environment information contained in the second message; and wherein the parameter comprises a limit on a number of second messages that the remote unit transmits to the infrastructure equipment.

With respect to claim 18, the prior art of record fails to disclose singly or in combination or render obvious that the remote the unit to: receive a first message to perform radio environment reporting on a reverse common signaling channel; initialize a pilot list; store the pilot list; determine whether the remote unit must send radio environment information by determining whether the remote unit performed an idle handoff to a pilot that is not in the pilot list; when the remote unit performed an idle handoff to a pilot that is not in the pilot list, update the pilot list; and transmit the radio environment information to an infrastructure equipment.

With respect to claim 19, the prior art of record fails to disclose singly or in combination or render obvious that the equipment to: transmit a first message to a remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment reporting; initialize a pilot list; determine whether a second message has been received; and when a second message has been received, store radio environment information contained in the second message; wherein the parameter comprises a timer value that sets a limit on the amount of time the remote unit is in a mode of providing radio environment information to the infrastructure equipment.

With respect to claim 22, the prior art of record fails to disclose singly or in combination or render obvious that the equipment to: transmit a first message to a wireless remote unit, the first message instructing the remote unit to perform radio environment reporting on a reverse common signaling channel, wherein the first message comprises a parameter that controls a duration of radio environment

reporting; initialize a pilot list; determine whether a second message has been received; and when a second message has been received, store radio environment information contained in the second message; wherein the parameter comprises a limit on a number of second messages that the remote unit transmits to the infrastructure equipment.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kamran Afshar whose telephone number is (571) 272-7796. The examiner can be reached on Monday-Friday.

If attempts to reach the examiner by the telephone are unsuccessful, the examiner's supervisor, **Feild, Joseph** can be reached @ (571) 272-4090. The fax number for the organization where this application or proceeding is assigned is **571-273-8300** for all communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kamran Afshar

JEAN GELIN
PRIMARY EXAMINER